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(71) Applicant (for all designated States except US): THOMSON LICENSING S.A. [FR/FR]; 46 Quai Alphonse Le Gallo, F-92100 BOULOGNE-BILLANCOURT (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): WEITBRUCH, Sébastien [FR/DE]; Chabeuilstrasse 17, 78087 MONCHWEILER (DE). THEBAULT, Cedric [FR/DE]; Färberstrasse 18, 78050 VILLINGEN-SCHWENNINGEN (DE).

CORREA, Carlos [PT/DE]; Lichtenberger Weg 4, 78056 VILLINGEN-SCHWENNINGEN (DE). DOSER, Ingo [DE/DE]; Lehenstrasse 21, 78166 DONAUESCHINGEN (DE).

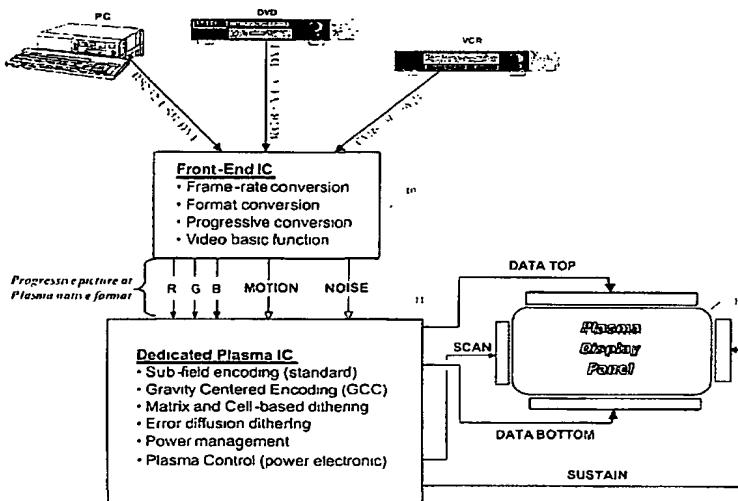
(74) Agent: BERTHIER, Karine; 46 Quai Alphonse Le Gallo, F-92648 BOULOGNE cedex (FR).

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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR PROCESSING VIDEO PICTURES IMPROVING DYNAMIC FALSE CONTOUR EFFECT COMPENSATION



(57) Abstract: The invention relates to a method for processing video pictures for display on a display device having a plurality of luminous elements corresponding to the pixels of a picture wherein the time of a video frame or field is divided into a plurality of N sub-fields (SF) during which the luminous elements can be activated for light emission in small pulses corresponding to a sub-field code word of n bits used for coding the p possible video levels lighting a pixel, comprising the steps of - determining if pictures are static pictures or moving pictures, - in case of static pictures, processing video pictures using a first sub-field encoding method adapted to pictures when no motion is detected, and in case of moving pictures, processing video pictures using a second encoding method reducing dynamic false contour effect adapted to pictures when motion is detected. The invention applies to plasma display panels.

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INTERNATIONAL SEARCH REPORT

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 973 147 A (MATSUSHITA ELECTRONICS CORP) 19 January 2000 (2000-01-19) figure 41 paragraphs '0008!, '0016!, '0020!, '0021!	1
A	EP 1 162 571 A (THOMSON BRANDT GMBH) 12 December 2001 (2001-12-12) abstract; figures 15,16	2-19
Y		1
A		2-19
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Brandenburg, J

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>YAMAGUCHI T ET AL: "DEGRADATION OF MOVING-IMAGE QUALITY IN PDPS: DYNAMIC FALSE CONTOURS"</p> <p>JOURNAL OF THE SOCIETY FOR INFORMATION DISPLAY, SOCIETY FOR INFORMATION DISPLAY, SAN JOSE, US,</p> <p>vol. 4, no. 4, December 1996 (1996-12),</p> <p>pages 263-270, XP000825468</p> <p>ISSN: 1071-0922</p> <p>page 263 -page 270</p> <p>---</p>	1-19
A	<p>EP 0 978 817 A (THOMSON BRANDT GMBH)</p> <p>9 February 2000 (2000-02-09)</p> <p>page 5, line 18-40</p> <p>-----</p>	1-19

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